



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/651,303	08/29/2003	Lara Mehanna	06975-447001	9022

26171 7590 10/08/2008  
FISH & RICHARDSON P.C.  
P.O. BOX 1022  
MINNEAPOLIS, MN 55440-1022

EXAMINER
----------

SWEARINGEN, JEFFREY R

ART UNIT	PAPER NUMBER
----------	--------------

2445

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

10/08/2008

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

## Office Action Summary

**Application No.**

10/651,303

**Applicant(s)**

MEHANNA ET AL.

**Examiner**

Jeffrey R. Swearingen

**Art Unit**

2145

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period **will** apply and **will** expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply **will**, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 July 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-101 is/are pending in the application.
- 4a) Of the above claim(s) 11 and 60 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10, 12-59 and 61-101 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 20080709.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/9/2008 has been entered.

### ***Response to Arguments***

2. Applicant's arguments filed 7/9/2008 have been fully considered but they are not persuasive.
3. Applicant's amendments to overcome the 101 rejection have triggered an objection to the specification.
4. Applicant argues that Gross failed to disclose the second web application is different from the first web application in function. Paragraph [0037] details multiple applications with different functions, including an email search interface, a web caching interface, and a database search interface. See further paragraph [00034-0035]. According to [0057], the search results are then displayed for the user. Paragraph [0079] specifically invokes both email applications and web applications. Microsoft Explorer is used in [0082]. Paragraph [0100] shows that when the search results are presented, a user can double click on the result and the appropriate application will open, such as an email application and a word processing application.

### ***Specification***

5. The disclosure is objected to because of the following informalities: Applicant failed to provide proper antecedent basis for "a tangible computer-readable medium" in the specification. See amendment to claim 52.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Art Unit: 2145

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-8, 11-22, 26-31, 34-45, 48-57, 60-68, 72-76, 78-88, 91-101 are rejected under 35 U.S.C. 102(e) as being anticipated by Gross et al. (US 2004/0143564).

8. In regard to claim 1, 41, 52, 53, 84, 95, Gross disclosed:

*receiving, from a user, a character stream of one or more non-completion characters that indicate that additional characters may be received; [0037]*

*providing the character stream to a host that analyzes the character stream to generate results that are responsive to the user's predicted interest; [0040]*

*receiving, from the host, a first result that includes a first argument and an identifier of a first web application; [0040]*

*receiving, from the host, a second result that includes a second argument that is different from the first argument, and an identifier of a second web application, wherein the second web application differs from the first web application in function; [0040]*

*displaying the first result in a manner enabling the user to perceive, before selecting the first result, the first argument and the identifier of the first web application; [0037]*

*displaying the second result in a manner enabling the user to perceive, before selecting the second result, the second argument and the identifier of the second web application; and [0099]*

*enabling the user to select from among the first and second results. [0100]*

9. In regard to claim 2, Gross disclosed:

*receiving the character stream of one or more non-completion characters comprises receiving a character stream of one or more non-completion characters that have been entered, by the user, to an address line of a web browser, [0097]*

Art Unit: 2145

*receiving the first result that includes the first argument and the identifier of the first web application comprises receiving a mapping result that includes a first location and an identifier of a web mapping application, and [0097]*

*displaying the first result in a manner enabling the user to perceive, before selecting the first result, the first argument and the identifier of the first web application comprises displaying the mapping result with an overview map that the user may select to display more detailed mapping information related to the overview map selected.*

*[0098-0100]*

10. In regard to claim 3, 42, 54, 85, Gross disclosed:

*receiving, from the user, one or more updates to the character stream; [0097]*

*providing the updates to the host to permit the host to analyze the character stream using the updates to generate updated results that are responsive to the user's predicted interest; [0097]*

*receiving the updated results; and [0098]*

*displaying the updated results so that the user may select one of the updated results. [0100]*

11. In regard to claim 4, Gross disclosed:

*providing all characters in the character stream. [0097]*

12. In regard to claim 5, Gross disclosed:

*providing one or more characters in the character stream that have been received from the user since the character stream was last provided. [0097]*

13. In regard to claim 6, 43, 55, 86, Gross disclosed:

*determining whether there is a sufficient amount of data in the character stream to generate accurate results, and, if there is a sufficient amount of data in the character stream to generate accurate results, analyzing the character stream to generate results that are responsive to the user's predicted interest. [0097-0098], [0105-0113]*

14. In regard to claim 7, 44, 56, 87, Gross disclosed:

Art Unit: 2145

- delaying analyzing the character stream if there is not a sufficient amount of data in the character stream to generate accurate results. [0145]*
15. In regard to claim 8, 45, 57, 88, Gross disclosed:  
*waiting until a predetermined number of non-completion characters has been entered. [0142-0143]*
16. In regard to claim 11, 60, Gross disclosed:  
*analyzing the character stream to identify results that are more responsive to the predicted interest of the user. [0144]*
17. In regard to claim 12, Gross disclosed:  
*launching the first web application upon selection of the first result. [0100]*
18. In regard to claim 13, Gross disclosed:  
*launching the second web application upon selection of the second result. [0100]*
19. In regard to claim 14, 61, Gross disclosed:  
*polling multiple database to identify results from each of the multiple databases. [0116]*
20. In regard to claim 15, 62, Gross disclosed:  
*enabling the user to configure a web browser to control an operating mode of the web browser. [0141]*
21. In regard to claim 16, 63, Gross disclosed:  
*enabling the user to configure the web browser includes enabling the user to select one or more databases to be accessed. [0116]*
22. In regard to claim 17, 64, Gross disclosed:  
*enabling the user to configure the web browser includes enabling the user to control a format with which the results are displayed. [0118]*
23. In regard to claims 18, 65, Gross disclosed:  
*enabling the user to control a configuration for a drop down menu used to display the results. Figure 3A*
24. In regard to claim 19, 66, 91, Gross disclosed:

Art Unit: 2145

*analyzing the character stream to determine a user profile; [0127]*

*storing the user profile; and [0127]*

*using the user profile to analyze subsequent character streams. [0130]*

25. In regard to claim 20, Gross disclosed:

*displaying a map related to the character stream. [0127]*

26. In regard to claim 21, 67, Gross disclosed:

*analyzing the character stream before providing the character stream to identify that map information is related to the character stream. [0153]*

27. In regard to claim 22, 68, Gross disclosed:

*recognizing that a commonly used address term is present in the character stream. [0159]*

28. In regard to claim 26, 49, 72, 92, Gross disclosed:

*analyzing the character stream before providing the character stream to identify that vendor information is related to the character stream, and instructing the host to return vendor information in the results. [0123]*

29. In regard to claim 27, 73, Gross disclosed:

*identifying yellow page information related to the character stream. [0123]*

30. In regard to claim 28, 50, 74, 93, Gross disclosed:

*identifying a category and a location appearing in the character stream. [0123-0124]*

31. In regard to claim 29, 51, 75, 94, Gross disclosed:

*analyzing the character stream for a messaging label appearing in the character stream. [0150]*

32. In regard to claim 30, Gross disclosed:

*enabling the user to communicate with another user. [0150]*

33. In regard to claim 31, 76, Gross disclosed:

*determining that a user identifier appears in the character stream. [0150]*

34. In regard to claim 34, 78, Gross disclosed:

Art Unit: 2145

*recognizing that an '@' character appears in the character stream. [0142]*

35. In regard to claim 35, 79, Gross disclosed:

*storing the results. [0127]*

36. In regard to claim 36, 80, Gross disclosed:

*storing results selected by the user. [0127]*

37. In regard to claim 37, 81, Gross disclosed:

*receiving, from the user, a second character stream of one or more non-completion characters where the non-completion characters indicate that additional characters may be received; [0130-0131]*

*accessing stored results; and [0130—131]*

*relating the stored results to the second character stream. [0130-0131]*

38. In regard to claim 38, 82, Gross disclosed:

*displaying the stored results when the second character stream indicates the user is requesting information related to the stored results. [0130-0131]*

39. In regard to claim 39, Gross disclosed:

*providing the second character stream to the host to analyze the second character stream to generate second character stream results that are responsive to the user's predictive interest; [0130-0131]*

*receiving the second character stream results; and [0130-0131]*

*displaying the second character stream results. [01330-0131]*

40. In regard to claim 40, 83, Gross disclosed:

*validating Uniform Resource Locators (URLs) in the character stream. [0135]*

41. In regard to claim 48, Gross disclosed:

*analyze the character stream to determine a user profile; [0127]*

*store the user profile; and [0127]*

*use the user profile to analyze subsequent character streams. [0130]*

42. In regard to claim 96, 98, Gross disclosed:



Art Unit: 2145

*using the web browser to receive the character stream of one or more non-completion characters, representing characters the user types before entering a completion character. [0135]*

43. In regard to claims 97, 99, Gross disclosed:

*using the web browser to receive the character stream of one or more non-completion characters, representing character the user types before entering a carriage return. [0135]*

44. In regard to claim 100, Gross disclosed:

*the first and the second web application are each a web application selected from a group of web applications comprising a web mapping application, a directory application, a web search application, a keyword application, a stock quote application, a calendar application, a virtual phone application, a messaging application, and a web email application. [0035], [0037]*

45. In regard to claim 101, Gross disclosed:

*the first web application is a web mapping application and the second web application is a web search application. [0035], [0037] Web mapping is not*

***Claim Rejections - 35 USC § 103***

46. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

47. Claims 9-10, 46-47, 58-59, and 89-90 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gross in view of Boss et al. (US 6,157,618).

48. In regard to claims 9-10, 46-47, 58-59, and 89-90, Gross failed to disclose a time out condition for aborting searching. Boss did disclose the use of an elapsed time procedure to note when a connection should be terminated based upon non-use. Boss, column 7, lines 20-54.

Art Unit: 2145

Gross establishes a connection to the search engine that operates as the user types updated characters. It would have been obvious to one of ordinary skill in the art at the time of invention to use a time out with Gross in order to prevent keeping a connection open longer than necessary, thus saving bandwidth.

49. Claims 23-25 and 69-71 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gross in view of Bourquin (US 5,799,284).

50. In regard to claims 23-25 and 69-71, Gross fails to disclose searching of addresses by city, state or zip code. Bourquin discloses the searching of addresses by city, state or ZIP was well known in the art at the time of Bourquin's invention (1996). Bourquin, column 1, lines 36-40. It would have been obvious to one of ordinary skill in the art at the time of invention to search for a business by city, state or zip code using Gross's invention in order to get localized content.

51. Claims 32-33 and 77 rejected under 35 U.S.C. 103(a) as being unpatentable over Gross in view of Aravamudan et al (US 6,301,609).

52. In regard to claims 32-33 and 77, Gross failed to disclose the use of an instant messaging application being able to detect the online status of a user. However, Aravamudan disclosed the use of a presence server to detect whether a user was online and to send the user an instant message. Aravamudan, column 7, lines 21-40. It would have been obvious to one of ordinary skill in the art at the time of invention to have added the instant messaging capabilities of Aravamudan with Gross in order to allow for a unified messaging system between users. Aravamudan, column 2, lines 25-49.

### ***Conclusion***

53. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

54. Subramaniam et al. US 6,711,565

55. Subramaniam describes mapping as a term of art in the field of search results.

56. Kravets US 6,704,727

57. Gailey et al. US 6,848,542

58. Gross et al. US 7,424,510

Art Unit: 2145

59. August et al. US 6,647,383

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey R. Swearingen whose telephone number is (571)272-3921. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571-272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jeffrey R. Swearingen  
Examiner  
Art Unit 2145

/Jeffrey R. Swearingen/  
Examiner, Art Unit 2145